List of Claims:

Claim 1 (Previously Presented): A communication method for use in a communication

system including a first communication device in communication with a second communication

device over a packet network, said method comprising:

receiving a first compressed data from said second communication device by said first

communication device over said packet network, wherein said first compressed data is

compressed according to a first protocol;

decompressing said first compressed data, by said first communication device, according

to said first protocol to generate a first decompressed data;

compressing said first decompressed data to generate a second compressed data, wherein

said second compressed data is compressed by said first communication device according to a

second protocol;

transmitting said second compressed data to a third communication device in

communication with said first communication device;

receiving a third compressed data from said third communication device by said first

communication device, wherein said third compressed data is compressed according to said

second protocol; and

transmitting said third compressed data to said second communication device, without

decompressing said third compressed data, by said first communication device to said second

communication device over said packet network;

wherein said first protocol differs from said second protocol.

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Claim 2 (Cancelled)

Claim 3 (Previously Presented): The method of claim 1, wherein said first protocol has

a plurality of first parameters and said second protocol has a plurality of second parameters, and

wherein at least one parameter of said plurality of first parameters is different than a

corresponding parameter of said plurality of second parameters.

Claim 4 (Original): The method of claim 3, wherein said at least one parameter is a

dictionary size.

Claim 5 (Previously Presented): The method of claim 1, wherein said first protocol is

V.44 having a plurality of first parameters and said second protocol is V.44 having a plurality of

second parameters, wherein at least one parameter of said plurality of first parameters is different

than a corresponding parameter of said plurality of second parameters.

Claim 6 (Previously Presented): The method of claim 1, wherein said first protocol is

V.44 and said second protocol is V.42bis.

Claim 7 (Previously Presented): A communication method for use in a communication

system including a first modem, a second modem and a third modem, said method comprising:

receiving a call from said first modem by said second modem over a telephone line;

contacting said third modem over a packet network;

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receiving information, from said third modem by said second modem, relating to one or more data compression protocols supported by said third modem;

handshaking by said second modem with said first modem to establish a connection; and negotiating a first data compression protocol by said second modem with said first modem, wherein said first data compression protocol is according to said information relating to one of said one or more data compression protocols.

Claim 8 (Previously Presented): The method of claim 7 further comprising:

receiving a first compressed data from said first modem by said second modem, wherein said first compressed data is compressed according to said first data compression protocol; and transmitting said first compressed data to said third modem by said second modem.

Claim 9 (Previously Presented): The method of claim 8 further comprising:

receiving a second compressed data from said third modem by said second modem,

wherein said second compressed data is compressed according to a second data compression

protocol, wherein said first data compression protocol differs from said second data compression

protocol;

decompressing said second compressed data, by said second modem, according to said second data compression protocol to generate a second decompressed data; and

compressing said second decompressed data to generate a third compressed data, wherein said third compressed data is compressed by said second modern according to said first protocol; and

transmitting said third compressed data to said first modem by said second modem.

Claim 10 (Previously Presented): The method of claim 7 further comprising:

receiving a second compressed data from said third modem by said second modem, wherein said second compressed data is compressed according to a second data compression protocol, wherein said first data compression protocol differs from said second data compression protocol;

decompressing said second compressed data, by said second modem, according to said second data compression protocol to generate a second decompressed data; and

compressing said second decompressed data to generate a third compressed data, wherein said third compressed data is compressed by said second modern according to said first protocol; and

transmitting said third compressed data to said first modem by said second modem.

Claim 11 (Original): The method of claim 7, wherein said information relating to said one or more data compression protocols includes information relating to at least one parameter of at least one of said one or more data compression protocols.

Claim 12 (Original): The method of claim 11, wherein said at least one parameter is a dictionary size.

Claim 13 (Previously Presented): The method of claim 7 further comprising:

determining that said first data compression protocol, including its parameters, is the

same as a second data compression protocol, including its parameters, negotiated between said

third modem and a fourth modem;

receiving a first compressed data from said third modem by said second modem, wherein

said first compressed data is compressed according to said first data compression protocol; and

transmitting said first compressed data to said first modem by said second modem.

Claim 14 (Currently Amended): A communication device comprising:

a receiver eapable of receiving configured to receive a first compressed data from a first

device over a packet network, wherein said first compressed data is compressed according to a

first protocol;

a decompressing module eapable of decompressing configured to decompress said first

compressed data according to said first protocol to generate a first decompressed data;

a compressing module eapable of compressing configured to compress said first

decompressed data according to a second protocol to generate a second compressed data, wherein

said second protocol differs from said first protocol; and

a transmitter eapable of transmitting configured to transmit said second compressed data

to a second device over a communication line;

wherein a third compressed data from said second device is passed through, without

decompressing said third compressed data, to said first device over said packet network, and

wherein said third compressed data is compressed according to said second protocol.

Claim 15 (Cancelled)

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Claim 16 (Previously Presented): The device of claim 14, wherein said first protocol

has a plurality of first parameters and said second protocol has a plurality of second

parameters, and wherein at least one parameter of said plurality of first parameters is different

than a corresponding parameter of said plurality of second parameters.

Claim 17 (Original): The device of claim 16, wherein said at least one parameter is a

dictionary size.

Claim 18 (Previously Presented): The device of claim 14, wherein said first protocol is

V.44 having a plurality of first parameters and said second protocol is V.44 having a plurality of

second parameters, wherein at least one parameter of said plurality of first parameters is different

than a corresponding parameter of said plurality of second parameters.

Claim 19 (Previously Presented): The device of claim 14, wherein said first protocol is

V.44 and said second protocol is V.42bis.

Claim 20 (Original): The device of claim 14, wherein said second device is a gateway

modem, and wherein said gateway modem is in communication with a client modem over a

telephone line.

Claim 21 (Original): The device of claim 20, wherein said device is a server.

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Claim 22 (Original): The device of claim 14, wherein said device is a gateway modem and said second device is a client modem.

Claim 23 (Currently Amended): A modem comprising:

a receiver capable of receiving configured to receive a call from a first modem over a telephone line;

a processing module eapable of contacting configured to contact a second modem over a packet network in response to said call, and eapable of receiving configured to receive information from said second modem relating to one or more data compression protocols supported by said second modem;

a handshaking module eapable of establishing configured to establish a connection with said first modem; and

a data compression module eapable of negotiating configured to negotiate a first data compression protocol with said first modem;

wherein said first data compression protocol is according to said information relating to one of said one or more data compression protocols.

Claim 24 (Currently Amended): The modem of claim 23, wherein said modem is eapable of receiving configured to receive a first compressed data from said first modem, said first compressed data being compressed according to said first data compression protocol, and wherein said modem is eapable of transmitting configured to transmit said first compressed data to said second modem.

Claim 25 (Currently Amended): The modem of claim 24, wherein said modem is eapable of receiving configured to receive a second compressed data from said second modem, said second compressed data being compressed according to a second data compression protocol, wherein said second data compression protocol differs from said first data compression protocol, wherein said modem is eapable of decompressing configured to decompress said second compressed data according to said second data compression protocol to generate a second decompressed data, wherein said modem is eapable of compressing configured to compress said second decompressed data to generate a third compressed data, said third compressed data being compressed according to said first protocol, and wherein said modem is eapable of transmitting configured to transmit said third compressed data to said first modem.

Claim 26 (Currently Amended): The modem of claim 23, wherein said modem is eapable of receiving configured to receive a second compressed data from said second modem, said second compressed data being compressed according to a second data compression protocol, wherein said second data compression protocol differs from said first data compression protocol, wherein said modem is eapable of decompressing configured to decompress said second compressed data according to said second data compression protocol to generate a second decompressed data, wherein said modem is eapable of compressing s configured to compress aid second decompressed data to generate a third compressed data, said third compressed data being compressed according to said first protocol, and wherein said modem is eapable of transmitting configured to transmit said third compressed data to said first modem.

Claim 27 (Original): The modem of claim 23, wherein said information relating to said one or more data compression protocols includes information relating to at least one parameter of at least one of said one or more data compression protocols.

Claim 28 (Original): The modem of claim 27, wherein said at least one parameter is a dictionary size.

Claim 29 (Currently Amended): The modem of claim 23, wherein said modem is eapable of determining configured to determine that said first data compression protocol, including its parameters, is the same as a second data compression protocol, including its parameters, negotiated between said second modem and a third modem, wherein said modem is eapable of receiving configured to receive a first compressed data from said second modem, said first compressed data being compressed according to said first data compression protocol, and wherein said modem is eapable of transmitting configured to transmit said first compressed data to said first modem.

Claim 30 (Previously Presented): A communication method for use in a communication system including a first modem, a second modem and a third modem, said method comprising: receiving a call from said first modem by said second modem over a telephone line; contacting said third modem by said second modem over a packet network, wherein said third modem is in communication with a device;

receiving information, from said device by said second modern, relating to one or more data compression protocols supported by said device;

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handshaking by said second modem with said first modem to establish a connection; and negotiating a first data compression protocol by said second modem with said first modem, wherein said first data compression protocol is according to said information relating to one of said one or more data compression protocols.

Claim 31 (Original): The method of claim 30, wherein said device is a server device.

Claim 32 (Previously Presented): The method of claim 30 further comprising:

receiving a first compressed data from said first modem by said second modem, wherein
said first compressed data is compressed according to said first data compression protocol; and
transmitting said first compressed data by said second modem.

Claim 33 (Previously Presented): The method of claim 32 further comprising:

receiving a second compressed data from said device by said second modem, wherein
said second compressed data is compressed according to a second data compression protocol,
wherein said second data compression protocol differs from said first data compression protocol;

decompressing said second compressed data, by said second modem, according to said second data compression protocol to generate a second decompressed data; and

compressing said second decompressed data to generate a third compressed data, wherein said third compressed data is compressed by said second modem according to said first protocol; and

transmitting said third compressed data to said first modem by said second modem.

Claim 34 (Previously Presented): The method of claim 30 further comprising:

receiving a second compressed data from said device by said second modern, wherein said second compressed data is compressed according to a second data compression protocol, wherein said second data compression protocol differs from said first data compression protocol;

decompressing said second compressed data, by said second modem, according to said second data compression protocol to generate a second decompressed data; and

compressing said second decompressed data to generate a third compressed data, wherein said third compressed data is compressed by said second modem according to said first protocol; and

transmitting said third compressed data to said first modem by said second modem.

Claim 35 (Original): The method of claim 30, wherein said information relating to said one or more data compression protocols includes information relating to at least one parameter of at least one of said one or more data compression protocols.

Claim 36 (Original): The method of claim 35, wherein said at least one parameter is a dictionary size.

Claim 37 (Previously Presented): The method of claim 30 further comprising:

determining that said first data compression protocol, including its parameters, is the
same as a second data compression protocol, including its parameters, negotiated between said
device and a fourth modem;

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receiving a first compressed data from said device by said second modern, wherein said first compressed data is compressed according to said first data compression protocol; and transmitting said first compressed data to said first modern by said second modern.

Claims 38-49 (Cancelled)